



Dean K. Matsuura
Manager
Regulatory Affairs

June 19, 2009

FILED
2009 JUN 19 P 3:55
PUBLIC UTILITIES
COMMISSION

The Honorable Chairman and Members of
the Hawaii Public Utilities Commission
Kekuanaoa Building, 1st Floor
465 South King Street
Honolulu, Hawaii 96813

Dear Commissioners:

Subject: Docket No. 2008-0274 – Decoupling Proceeding
HECO Companies' Panelists for the Panel Hearing

In accordance with the *Order Establishing Hearing Procedures*, filed June 16, 2009, enclosed for filing are the listing of the HECO Companies' panelists and their respective curriculum vitae ("CVs") for the panel hearing scheduled for June 29 – July 2, 2009. The HECO Companies are Hawaiian Electric Company, Inc., Hawaii Electric Light Company, Inc. and Maui Electric Company, Limited.

Very truly yours,

Enclosures

cc: Division of Consumer Advocacy (w/enclosures)
Hawaii Renewable Energy Alliance (w/enclosures)
Haiku Design and Analysis (w/enclosures)
Hawaii Holdings, LLC, dba First Wind Hawaii (w/enclosures)
Department of Business, Economic Development, and Tourism (w/enclosures)
Hawaii Solar Energy Association (w/enclosures)
Blue Planet Foundation (w/enclosures)

Docket No. 2008-0274
HECO Companies' Panelists for the
Decoupling Panel Hearing
June 29 – July 2, 2009

Issue I. Will Decoupling Help Achieve Hawaii's Objective?

Alan Hee
Mark Lowry
Tayne Sekimura
Peter Young

If questions arise regarding the Companies' Energy Agreement¹ programs, Colton Ching will be available as a panelist.

Issue II. Decoupling Mechanics: How Well Does the HECO Companies' Decoupling Design Achieve Hawaii's Objective?

Alan Hee
Peter Young

If questions arise regarding the Revenue Balancing Account and reporting for the Earnings Sharing Mechanism, Patsy Nanbu and Bruce Tamashiro will be available as panelists for HECO, Lyle Matsunaga will be available as a panelist for MECO, and Julieanne Payne will be available as a panelist for HELCO.

Issue III. Revenue Adjustment Mechanism: How Well Does It Achieve Hawaii's Objectives?

Alan Hee
Mark Lowry

If question arise regarding: (1) future Energy Agreement initiatives, Colton Ching will be available as a panelist; (2) the individual company RAM impacts, Dennis Lee (HECO), Lyle Matsunaga (MECO), Julieanne Payne (HELCO), and Peter Young (HECO) will be available as panelists for the HECO Companies.

¹ *Energy Agreement among the State of Hawaii, Division of Consumer Advocacy of the Department of Commerce and Consumer Affairs, and the Hawaiian Electric Companies*, signed by the Governor of the State of Hawaii, the Department of Business and Economic Development and Tourism, the Consumer Advocate and the HECO Companies on October 20, 2008.

Issue IV. Revenue Per Customer Mechanism and Other Alternatives: How Well Do They Achieve Hawaii's Objectives?

Mark Lowry
Peter Young

Issue V. Energy Cost Adjustment Clause Amendment: What Are Its Advantages and Disadvantages, In Terms of Hawaii's Objectives?

Alan Hee
Ross Sakuda

If questions arise concerning the Energy Cost Adjustment Factor ("ECAF"), Peter Young will be available as a panelist.

Issue VI: What Review Processes and Safeguards Should the Commission Consider?

Alan Hee

If questions arise concerning: (1) the administrative costs and timing of reviews of decoupling results, Patsy Nanbu will be available as a panelist; (2) linking decoupling's continuation to performance in certain areas (e.g., service quality indices), Robert Young and Darren Yamamoto or Dave Waller will be available as panelists; and (3) linking decoupling's continuation to the HECO Companies meeting certain commitments made in the Energy Agreement, Colton Ching will be available as a panelist.

EDUCATIONAL BACKGROUND
AND EXPERIENCE
OF THE
HECO COMPANIES' PANELISTS

HAWAIIAN ELECTRIC COMPANY, INC.

ALAN K.C. HEE

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS:	Hawaiian Electric Company, Inc. 220 South King Street Honolulu, Hawaii 96813
POSITION:	Manager, Energy Services Department
YEARS OF SERVICE:	23 Years
EDUCATION:	MBA, University of Hawaii, 1982 BS, Civil Engineering Cornell University, NY, 1974
OTHER QUALIFICATIONS:	Registered Professional Engineer, Hawaii Civil Engineering Branch
OTHER EXPERIENCE:	Director, Forecasts Division Energy Services Department, 1995-2004 Director, Forecasting Division Rate and Regulatory Affairs Dept., 1991-1995 Planning Analyst, Forecasting Division Rate and Regulatory Affairs Dept., 1986-1991 Operations Engineer GASCO, Inc., Hilo 1982-1986 Peace Corps Volunteer Fiji Islands, 1974-1976
TESTIMONIES:	Hawaiian Electric Company, Inc. Request for Approval of Rate Increase Docket No. 2008-0083 Maui Electric Company, Limited Request for Approval of Rate Increase Docket No. 2006-0387

TESTIMONIES (continued):

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 2006-0386

Hawaiian Electric Company, Inc.
Campbell Industrial Park Generation Station
and Transmission Additions Project
Docket No. 05-0145

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 04-0113

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 7766

MARK NEWTON LOWRY,
CONSULTANT

ON BEHALF OF
HAWAIIAN ELECTRIC COMPANY, INC.

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address 22 E. Mifflin St., Suite 302
Madison, WI 53703
(608) 257-1522 Ext. 23

Education BA: Ibero-American Studies, University of Wisconsin-Madison, May 1977
Ph.D.: Agricultural and Resource Economics, University of Wisconsin-Madison, May 1984

Relevant Work Experience, Primary Positions

Present Position President, Pacific Economics Group Research LLC, Madison WI

Chief executive of the research unit of the PEG consortium. Leads internationally recognized practice in the field of statistical cost research for energy utility benchmarking and alternative regulation ("Altreg"). Other research specialties include: utility industry restructuring, codes of competitive conduct, markets for oil and gas, and commodity storage. Duties include project management and expert witness testimony.

October 1998-February 2009 Partner, Pacific Economics Group Research LLC, Madison, WI

Managed PEG's Madison office. Developed internationally recognized practice in the field of statistical cost research for energy utility benchmarking and Altreg. Principal investigator and expert witness on numerous projects.

January 1993-October 1998 Vice President

January 1989-December 1992 Senior Economist, Christensen Associates, Madison, WI

Directed the company's Regulatory Strategy group. Participated in all Christensen Associates testimony on energy utility Altreg and benchmarking.

Aug. 1984-Dec. 1988 Assistant Professor, Department of Mineral Economics, The Pennsylvania State University, University Park, PA

Responsibilities included research and graduate and undergraduate teaching and advising. Courses taught: Min Ec 387 (Introduction to Mineral Economics); 390 (Mineral Market Modeling); 484 (Political Economy of Energy and the Environment) and 506 (Applied Econometrics). Research specialty: role of storage in commodity markets.

August 1983-July 1984 Instructor, Department of Mineral Economics, The Pennsylvania State University, University Park, PA

Taught courses in Mineral Economics (noted above) while completing Ph.D. thesis.

April 1982-August 1983 Research Assistant to Dr. Peter Helmberger, Department of Agricultural and Resource Economics, University of Wisconsin-Madison

Dissertation research on the role of speculative storage in markets for field crops. Work included the development of a quarterly econometric model of the U.S. soybean market.

March 1981-March 1982 Natural Gas Industry Analyst, Madison Consulting Group, Madison, Wisconsin

Research under Dr. Charles Cicchetti in two areas:

- Impact of the Natural Gas Policy Act on the production and average wellhead price of natural gas in the United States. An original model was developed for forecasting these variables through 1985.
- Research supporting litigation testimony in an antitrust suit involving natural gas producers and pipelines in the San Juan Basin of New Mexico.

Relevant Work Experience, Visiting Positions:

May-August 1985 Professeur Visiteur, Centre for International Business Studies, Ecole des Hautes Etudes Commerciales, Montreal, Quebec.

Research on the behavior of inventories in metal markets.

Major Consulting Projects

1. Competition in the Natural Gas Market of the San Juan Basin. Public Service of New Mexico, 1981.
2. Impact of the Natural Gas Policy Act on U.S. Production and Wellhead Prices. New England Fuel Institute, 1981
3. Modeling Customer Response to Curtailable Service Programs. Electric Power Research Institute, 1989.
4. Customer Response to Interruptible Service Programs. Southern California Edison, 1989.
5. Measuring Load Relief from Interruptible Services. New England Electric Power Service, 1989.
6. Design of Time-of-Use Rates for Residential Customers. Iowa Power, 1989.
7. Incentive Regulation: Can it Pay for Interstate Gas Companies? Southern Natural Gas, 1989.
8. Measuring the Productivity Growth of Gas Transmission Companies. Interstate Natural Gas Association of America, 1990.
9. Measuring Productivity Trends in the Local Gas Distribution Industry. Niagara Mohawk Power, 1990.
10. Measurement of Productivity Trends for the U.S. Electric Power Industry. Niagara Mohawk Power, 1990-91.

11. Comprehensive Performance Indexes for Electric and Gas Distribution Utilities. Niagara Mohawk Power, 1990-1991.
12. Workshop on PBR for Electric Utilities. Southern Company Services, 1991.
13. Economics of Electric Revenue Adjustment Mechanisms. Niagara Mohawk Power, 1991.
14. Sales Promotion Policies of Gas Distributors. Northern States Power-Wisconsin, 1991.
15. Productivity Growth Estimates for U.S. Gas Distributors and Their Use in PBR. Southern California Gas, 1991.
16. Cost Performance Indexes for Gas and Electric Utilities. Niagara Mohawk Power, 1991.
17. Efficient Rate Design for Interstate Gas Transporters. AEPCO, 1991.
18. Benchmarking Gas Supply Services and Testimony. Niagara Mohawk Power, 1992.
19. Gas Supply Cost Indexes for Incentive Regulation. Pacific Gas & Electric, 1992.
20. Gas Transportation Strategy for an Arizona Electric Utility. AEPCO, 1992.
21. Design and Negotiation of a Comprehensive Benchmark Incentive Plans for Gas Distribution and Bundled Power Service. Niagara Mohawk Power, 1992.
22. Productivity Research, PBR Plan Design, and Testimony. Niagara Mohawk Power, 1993-94.
23. Development of Incentive Regulation Options. Southern California Edison, 1993.
24. Review of the Southwest Gas Transportation Market. Arizona Electric Power Cooperative, 1993.
25. Productivity Research and Testimony in Support of a Price Cap Plan. Central Maine Power, 1994.
26. Productivity Research for a Natural Gas Distributor, Southern California Gas, 1994.
27. White Paper on Price Cap Regulation For Electric Utilities. Edison Electric Institute, 1994.
28. Statistical Benchmarking for Bundled Power Services and Testimony. Southern California Edison, 1994.
29. White Paper on Performance-Based Regulation. Electric Power Research Institute, 1995.
30. Productivity Research and PBR Plan Design for Bundled Power Service and Gas Distribution. Public Service Electric & Gas, 1995.
31. Regulatory Strategy for a Restructuring Canadian Electric Utility. Alberta Power, 1995.
32. Incentive Regulation Support for a Japanese Electric Utility. Tokyo Electric Power, 1995.
33. Regulatory Strategy for a Restructuring Northeast Electric Utility. Niagara Mohawk Power, 1995.
34. Productivity and PBR Plan Design Research and Testimony for a Natural Gas Distributor. Southern California Gas, 1995.
35. Productivity Research and Testimony for a Natural Gas Distributor. NMGas, 1995.
36. Speech on PBR for Electric Utilities. Hawaiian Electric, 1995.
37. Development of a Price Cap Plan for a Midwest Gas Distributor. Illinois Power, 1996.
38. Stranded Cost Recovery and Power Distribution PBR for a Restructuring U.S. Electric Utility. Delmarva Power, 1996.
39. Productivity and Benchmarking Research and Testimony for a Natural Gas Distributor. Boston Gas, 1996.
40. Consultation on the Design and Implementation of Price Cap Plans for Natural Gas Production, Transmission, and Distribution. Comision Reguladora de Energia (Mexico), 1996.
41. Power Distribution Benchmarking for a PJM Utility. Delmarva Power, 1996.
42. Testimony on PBR for Power Distribution. Commonwealth Energy System, 1996.
43. PBR Plan Design for Bundled Power Services. Hawaiian Electric, 1996.
44. Design of Geographic Zones for Privatized Natural Gas Distributors. Comision Reguladora de Energia (Mexico), 1996.
45. Statistical Benchmarking for Bundled Power Service. Pennsylvania Power & Light, 1996.

46. Productivity Research and PBR Plan Design (including Service Quality) and Testimony for a Gas Distributor. BC Gas, 1997.
47. Price Cap Plan Design for Power Distribution Services. Comisión de Regulación de Energía y Gas (Colombia), 1997.
48. White Paper on Utility Brand Name Policy. Edison Electric Institute, 1997.
49. Statistical Benchmarking for Bundled Power Service and Testimony. Pacific Gas & Electric, 1997.
50. Review of a Power Purchase Contract Dispute. City of St. Cloud, MN, 1997.
51. Statistical Benchmarking and Stranded Cost Recovery. Edison Electric Institute, 1997.
52. Inflation and Productivity Trends of U.S. Power Distributors. Niagara Mohawk Power, 1997.
53. PBR Plan Design, Statistical Benchmarking, and Testimony for a Gas Distributor. Atlanta Gas & Light, 1997.
54. White Paper on Price Cap Regulation (including Service Quality) for Power Distribution. Edison Electric Institute, 1997-99.
55. White Paper and Public Appearances on PBR Options for Power Distributors in Australia. Distribution companies of Victoria, 1997-98.
56. Research and Testimony of Gas and Power Distribution TFP. San Diego Gas & Electric, 1997-98.
57. Cost Structure of Power Distribution. Edison Electric Institute, 1998.
58. Cross-Subsidization Measures for Restructuring Electric Utilities. Edison Electric Institute, 1998.
59. Testimony on Brand Names. Edison Electric Institute, 1998.
60. Research and Testimony on Economies of Scale in Power Supply. Hawaiian Electric Company, 1998.
61. Research and Testimony on Productivity and PBR Plan Design for Bundled Power Service. Hawaiian Electric and Hawaiian Electric Light & Maui Electric, 1998-99.
62. PBR Plan Design, Statistical Benchmarking, and Supporting Testimony. Kentucky Utilities & Louisville Gas & Electric, 1998-99.
63. Statistical Benchmarking for Power Distribution. Victorian distribution business, 1998-9.
64. Testimony on Functional Separation of Power Generation and Delivery in Illinois. Edison Electric Institute, 1998.
65. Design of a Stranded Benefit Passthrough Mechanism for a Restructuring Electric Utility. Niagara Mohawk Power, 1998.
66. Workshop on PBR for Energy Utilities. World Bank, 1998.
67. Advice on Code of Conduct Issues for a Western Electric Utility. Public Service of Colorado, 1999.
65. Advice on PBR and Affiliate Relations. Western Resources, 1999.
66. Research and Testimony on Benchmarking and PBR Plan Design for Bundled Power Service. Oklahoma Gas & Electric, 1999.
67. Cost Benchmarking for Power Transmission and Distribution. Southern California Edison, 1999.
68. Cost Benchmarking for Power Distribution. CitiPower, 1999.
69. Cost Benchmarking for Power Distribution. Powercor, 1999.
70. Cost Benchmarking for Power Distribution. United Energy, 1999.
71. Statistical Benchmarking for Bundled Power Services. Niagara Mohawk Power, 1999.
72. Unit Cost of Power Distribution. AGL, 2000.
73. Critique of a Commission-Sponsored Benchmarking Study. CitiPower, Powercor, and United Energy, 2000.
74. Statistical Benchmarking for Power Transmission. Powerlink Queensland, 2000.

75. Testimony on PBR For Power Distribution. TXU Electric, 2000.
76. Workshop on PBR for Gas and Electric Distribution. Public Service Electric and Gas, 2000.
77. Economies of Scale and Scope in an Isolated Electric System. Western Power, 2000.
78. Research and Testimony on Economies of Scale in Local Power Delivery, Metering, and Billing. Electric distributors of Massachusetts, 2000.
79. Service Quality PBR Plan Design and Testimony. Gas and electric power distributors of Massachusetts, 2000.
80. Power and Natural Gas Procurement PBR. Western Resources, 2000.
81. PBR Plan Design for a Natural Gas Distributor. BC Gas, 2000.
82. Research on TFP and Benchmarking for Gas and Electric Power Distribution. Sempra Energy, 2000.
83. E-Forum on PBR for Power Procurement. Edison Electric Institute, 2001.
84. Statistical Benchmarking for Power Distribution, Queensland Competition Authority, 2001.
85. Productivity Research and PBR Plan Design. Hydro One Networks, 2001.
86. PBR Presentation to Governor Bush Energy 2000 Commission. Edison Electric Institute, 2001.
87. Competition Policy in the Power Market of Western Australia, Western Power, 2001.
88. Research and Testimony on Productivity and PBR Plan Design for a Power Distributor. Bangor Hydro Electric, 2001.
89. Statistical Benchmarking for three Australian Gas Utilities. Client name confidential, 2001.
90. Statistical Benchmarking for Electric Power Transmission. Transend, 2002.
91. Research on Productivity and Benchmarking for Gas and Electric Power Distribution. Sempra Energy, 2002.
92. Research and Testimony on Benchmarking for Bundled Power Service. AmerenUE, 2002.
93. Research on Power Distribution Productivity and Inflation Trends. NSTAR, 2002.
94. Research and Testimony on Power and Natural Gas Distribution Productivity and Benchmarking. Sempra Energy, 2002.
95. Future of T&D Regulation. Southern California Edison, October 2002.
96. Research on the Incentive Power of Alternative Regulatory Systems. Hydro One Networks, 2002.
97. Workshop on Recent Trends in PBR. Entergy Services, 2003.
98. Workshop on PBR for Louisiana's Public Service Commission. Entergy Services, February 2003.
99. Research, Testimony, and Settlement Support on the Cost Efficiency of O&M Expenses. Enbridge Gas Distribution, 2003.
100. Advice on Performance Goals for a U.S. Transmission Company. American Transmission, 2003.
101. Workshop on PBR for Canadian Regulators. Canadian Electricity Association, 2003.
102. General consultation on PBR Initiative. Union Gas, 2003.
103. Statistical Benchmarking of Four Bolivian Power Distributors. Superintendencia de Electricidad, 2003.
104. Statistical Benchmarking of Power Transmission. Central Research Institute for the Electric Power Industry (Japan), 2003.
105. Statistical Benchmarking, Productivity, and Incentive Power Research for a Combined Gas and Electric Company. Baltimore Gas and Electric, 2003.
106. Advice on Statistical Benchmarking for Two British Power Distributors. Northern Electric and Yorkshire Electricity Distribution, 2003.
107. Research, Testimony, and Settlement Support on the Cost Efficiency of O&M Expenses for a Canadian Gas Distributor. Enbridge Gas Distribution, 2004.
108. Research and Advice on PBR for a Western Gas Distributor. Questar Gas, 2004.
109. Research and Testimony on Power and Natural Gas Distribution Productivity and Benchmarking for a U.S. Utility. Sempra Energy, 2004.

110. Advice on Productivity for Two British Power Distributors. Northern Electric and Yorkshire Electricity Distribution, 2004.
111. Workshop on Service Quality Regulation for Regulators. Canadian Electricity Association, 2004.
112. Advice on Benchmarking Strategy for a Canadian Trade Association. Canadian Electricity Association, 2004.
113. White Paper on Unbundled Storage and the Chicago Gas Market for a Midwestern Gas Distributor. Nicor Gas, 2004.
114. Statistical Benchmarking Research for a British Power Distributor. United Utilities, 2004.
115. Statistical Benchmarking Research for Three British Power Distributors. EDF Eastern, EDF London, and EDF Seeboard, 2004.
116. Benchmarking Testimony for Three Ontario Power Distributors. Hydro One, Toronto Hydro, and Enersource Hydro Mississauga, 2004.
117. Indexation of O&M Expenses for an Australian Power Distributor. SPI Networks, 2004.
118. Power Transmission and Distribution PBR and Benchmarking Research for a Canadian Utility. Hydro One Networks, 2004.
119. Statistical Benchmarking of O&M Expenses for an Australian Power Distributor. SPI Networks, 2004.
120. Testimony on Statistical Benchmarking of Power Distribution. Hydro One Networks, 2005.
121. Statistical Benchmarking for a Southeastern U.S. Bundled Power Service Utility. Progress Energy Florida, 2005.
122. Statistical Benchmarking of a California Nuclear Plant. San Diego Gas & Electric, 2005.
123. Explaining Recent Rate Requests of U.S. Electric Utilities: Results from Input Price and Productivity Research. Edison Electric Institute, 2005.
124. Power Transmission PBR and Benchmarking Support and Testimony. Trans-Energie, 2005.
125. Power Distribution PBR and Benchmarking Research and Testimony. Central Vermont Public Service, 2006.
126. Research and Testimony on Productivity Trends in Electric and Gas Distribution for a California Electric Utility. San Diego Gas & Electric and Southern California Gas, 2006.
127. Consultation on PBR for Power Transmission for a Canadian Transco. British Columbia Transmission, 2006.
128. White Paper on Alternative Regulation for Major Plant Additions for a U.S. Trade Association. EEI, 2006.
129. Consultation on Price Cap Regulation for Provincial Power Distributors. Ontario Energy Board, 2006.
130. Statistical Benchmarking of A&G Expenses. Michigan Public Service Commission, 2006.
131. Workshop on Alternative Regulation of Major Plant Additions. EEI, 2006.
132. White Paper on Power Distribution Benchmarking for a Canadian Trade Association. Canadian Electricity Association, 2006.
133. Consultation on a PBR Strategy for Power Transmission. BC Transmission, 2006.
134. Testimony on Statistical Benchmarking of Power Distribution. FortisAlberta, 2006.
135. Consultation on a Canadian Trade Association's Benchmarking Program. Canadian Electricity Association, 2007.
136. Gas Distribution Productivity Research and Testimony for a Canadian Regulator. Ontario Energy Board, 2007.
137. Testimony on Tax Issues for a Canadian Regulator. Ontario Energy Board, 2008.
138. Research and Testimony in Support of a Revenue Adjustment Mechanism for Central Vermont Public Service, 2008.
139. Consultation on Alternative Regulation for a Midwestern Electric Utility. Xcel Energy, 2008.

140. Research and Draft Testimony in Support of a Revenue Decoupling Mechanism for a Large Midwestern Gas Utility. NICOR Gas, 2008.
141. Research and Testimony in Support of Revenue Decoupling Mechanisms for 3 US Electric Utilities. Hawaiian Electric, 2008.
142. White Paper: Use of Statistical Benchmarking in Regulation. Canadian Electricity Association, 2005-2009.
143. Statistical Cost Benchmarking of Canadian Power Distributors. Ontario Energy Board, 2007-2009.
144. Statistical Benchmarking for a Midwestern Electric Utility. Oklahoma Gas & Electric, 2009.

Publications

1. "Public vs. Private Management of Mineral Inventories: A Statement of the Issues." Earth and Mineral Sciences 53, (3) Spring 1984.
2. Review of Energy, Foresight, and Strategy, Thomas Sargent, ed. (Baltimore: Resources for the Future, 1985). Energy Journal 6 (4), 1986.
3. "The Changing Role of the United States in World Mineral Trade." ed W.R. Bush, The Economics of Internationally Traded Minerals. (Littleton, CO: Society of Mining Engineers, 1986).
4. "Assessing Metals Demand in Less Developed Countries: Another Look at the Leapfrog Effect." Materials and Society 10 (3), 1986.
5. "Modeling the Convenience Yield from Precautionary Storage of Refined Oil Products" (with junior author Bok Jae Lee) John Rowse, ed. World Energy Markets: Coping with Instability (Calgary, AL: Friesen Printers, 1987).
6. "Pricing and Storage of Field Crops: A Quarterly Model Applied to Soybeans" (with junior authors Joseph Glauber, Mario Miranda, and Peter Helmberger). American Journal of Agricultural Economics 69 (4), November, 1987.
7. "Storage, Monopoly Power, and Sticky Prices." Les Cahiers du CETAI no. 87-03 March 1987.
8. Monopoly Power, Rigid Prices, and the Management of Inventories by Metals Producers. Materials and Society 12 (1) 1988.
9. "Review of Oil Prices, Market Response, and Contingency Planning." George Horwich and David Leo Weimer (Washington, American Enterprise Institute, 1984), Energy Journal 8 (3) 1988.
10. "A Competitive Model of Primary Sector Storage of Refined Oil Products." July 1987, Resources and Energy 10 (2) 1988.
11. "Modeling the Convenience Yield from Precautionary Storage. The Case of Distillate Fuel Oil." Energy Economics 10 (4) 1988.
12. "Speculative Stocks and Working Stocks." Economic Letters 28 1988.
13. "Theory of Pricing and Storage of Field Crops With an Application to Soybeans" [with Joseph Glauber (senior author), Mario Miranda, and Peter Helmberger]. University of Wisconsin-Madison College of Agricultural and Life Sciences Research Report no. R3421, 1988.
14. "Competitive Speculative Storage and the Cost of Petroleum Supply." The Energy Journal 10 (1) 1989.
15. "Evaluating Alternative Measures of Credited Load Relief: Results From a Recent Study For New England Electric." In Demand Side Management: Partnerships in Planning for the Next Decade (Palo Alto: Electric Power Research Institute, 1991).
16. "Futures Prices and Hidden Stocks of Refined Oil Products." In O. Guvanen, W.C. Labys, and J.B. Lesourd, editors, International Commodity Market Models: Advances in Methodology and Applications (London: Chapman and Hall, 1991).
17. "Indexed Price Caps for U.S. Electric Utilities." The Electricity Journal, September-October 1991.

18. Gas Supply Cost Incentive Plans for Local Distribution Companies. Proceedings of the Eight NARUC Biennial Regulatory Information Conference (Columbus: National Regulatory Research Institute, 1993).
19. TFP Trends of U.S. Electric Utilities, 1975-92 (with Herb Thompson). Proceedings of the Ninth NARUC Biennial Regulatory Information Conference, (Columbus: National Regulatory Research Institute, 1994).
20. A Price Cap Designers Handbook (with Lawrence Kaufmann). (Washington: Edison Electric Institute, 1995.)
21. "The Treatment of Z Factors in Price Cap Plans (with Lawrence Kaufmann)." Applied Economics Letters 2 1995.
22. Performance-Based Regulation of U.S. Electric Utilities: The State of the Art and Directions for Further Research (with Lawrence Kaufmann). Palo Alto: Electric Power Research Institute, December 1995.
23. "Forecasting the Productivity Growth of Natural Gas Distributors (with Lawrence Kaufmann)." AGA Forecasting Review, Vol. 5, March 1996.
24. Branding Electric Utility Products: Analysis and Experience in Regulated Industries (with Lawrence Kaufmann), Washington: Edison Electric Institute, 1997.
25. Price Cap Regulation for Power Distribution (with Larry Kaufmann), Washington: Edison Electric Institute, 1998.
26. Controlling for Cross-Subsidization in Electric Utility Regulation (with Lawrence Kaufmann), Washington: Edison Electric Institute, 1998.
27. The Cost Structure of Power Distribution with Implications for Public Policy (with Lawrence Kaufmann), Washington: Edison Electric Institute 1999.
28. "Price Caps for Distribution Service: Do They Make Sense?" (with Eric Ackerman and Lawrence Kaufmann), Edison Times, 1999.
29. "Performance-Based Regulation for Energy Utilities (with Lawrence Kaufmann)," Energy Law Journal, Fall 2002.
30. "Performance-Based Regulation and Business Strategy" (with Lawrence Kaufmann), Natural Gas and Electricity, February 2003
31. "Performance-Based Regulation and Energy Utility Business Strategy (With Lawrence Kaufmann), in Natural Gas and Electric Power Industries Analysis 2003, Houston: Financial Communications, Forthcoming.
32. "Performance-Based Regulation Developments for Gas Utilities (with Lawrence Kaufmann), Natural Gas and Electricity, April 2004.
33. "Alternative Regulation, Benchmarking, and Efficient Diversification" (with Lullit Getachew), PEG Working Paper, November 2004.
33. "Econometric Cost Benchmarking of Power Distribution Cost" " (with Lullit Getachew and David Hovde), Energy Journal, July 2005.
34. "Alternative Regulation for North American Electric Utilities" (With Lawrence Kaufmann), Electricity Journal, July 2006.
35. "Regulation of Gas Distributors with Declining Use Per Customer" USAEE Dialogue August 2006.
36. "AltReg Rate Designs Address Declining Average Gas Use" (with Lullit Getachew, David Hovde, and Steve Fenrick), Natural Gas and Electricity, 2008.
37. "Price Control Regulation in North America: Role of Indexing and Benchmarking", Electricity Journal, January 2009
38. "Statistical Benchmarking in Utility Regulation: Role, Standards and Methods," (with Lullit Getachew), Energy Policy, 2009.

39. "The Economics and Regulation of Power Transmission and Distribution: The Developed World Case" (with Lullit Getachew), forthcoming in the International Handbook on the Economics of Energy.

Conference Presentations

1. American Institute of Mining Engineering, New Orleans, LA, March 1986
2. International Association of Energy Economists, Calgary, AL, July 1987
3. American Agricultural Economics Association, Knoxville, TN, August 1988
4. Association d'Econometrie Appliqué, Washington, DC, October 1988
5. Electric Council of New England, Boston, MA, November 1989
6. Electric Power Research Institute, Milwaukee, WI, May 1990
7. New York State Energy Office, Saratoga Springs, NY, October 1990
8. National Association of Regulatory Utility Commissioners, Columbus, OH, September 1992
9. Midwest Gas Association, Aspen, CO, October 1993
10. National Association of Regulatory Utility Commissioners, Williamsburg, VA, January 1994
11. National Association of Regulatory Utility Commissioners, Kalispell, MT, May 1994
12. Edison Electric Institute, Washington, DC, March 1995
13. National Association of Regulatory Utility Commissioners, Orlando, FL, March 1995
14. Illinois Commerce Commission, St. Charles, IL, June 1995
15. Michigan State University Public Utilities Institute, Williamsburg, VA, December 1996
16. Edison Electric Institute, Washington DC, December 1995
17. IBC Conferences, San Francisco, CA, April 1996
18. AIC Conferences, Orlando, FL, April 1996
19. IBC Conferences, San Antonio, TX, June 1996
20. American Gas Association, Arlington, VA, July 1996
21. IBC Conferences, Washington, DC, October 1996
22. Center for Regulatory Studies, Springfield, IL, December 1996
23. Michigan State University Public Utilities Institute, Williamsburg, VA, December 1996
24. IBC Conferences, Houston TX, January 1997
25. Michigan State University Public Utilities Institute, Edmonton, AL, July 1997
26. American Gas Association, Edison Electric Institute, Advanced Public Utility Accounting School, Irving, TX, Sept. 1997
27. American Gas Association, Washington, DC [national telecast], September 1997
28. Infocast, Miami Beach, FL, Oct. 1997
29. Edison Electric Institute, Arlington, VA, March 1998
30. Electric Utility Consultants, Denver, CO, April 1998
31. University of Indiana, Indianapolis, IN, August 1998
32. Edison Electric Institute, Newport, RI, September 1998
33. University of Southern California, Los Angeles, CA, April 1999
34. Edison Electric Institute, Indianapolis, IN, August 1999
35. IBC Conferences, Washington, DC, February 2000
36. Center for Business Intelligence, Miami, FL, March 2000
37. Edison Electric Institute, San Antonio, TX, April 2000
38. Infocast, Chicago, IL, July 2000 [Conference chair]
39. Edison Electric Institute, July 2000
40. IOU-EDA, Brewster, MA, July 2000
41. Infocast, Washington, DC, October 2000
42. Wisconsin Public Utility Institute, Madison, WI, November 2000

43. Infocast, Boston, MA, March 2001 [Conference chair]
44. Florida 2000 Commission, Tampa, FL, August 2001
45. Infocast, Washington, DC, December 2001 [Conference chair]
46. Canadian Gas Association, Toronto, ON, March 2002
47. Canadian Electricity Association, Whistler, BC, May 2002
48. Canadian Electricity Association, Montreal, PQ, September 2002
49. Ontario Energy Association, Toronto, ON, November 2002
50. Canadian Gas Association, Toronto, ON, February 2003
51. Louisiana Public Service Commission, Baton Rouge, LA, February 2003
52. CAMPUT, Banff, ALTA, May 2003
53. Elforsk, Stockholm, Sweden, June 2003
54. Eurelectric, Brussels, Belgium, October 2003
55. CAMPUT, Halifax, NS, May 2004
56. Edison Electric Institute, eforum, March 2005
57. EUCI, Seattle, May 2006 [Conference chair]
58. Ontario Energy Board, Toronto, ON, June 2006
59. Edison Electric Institute, Madison, WI, August 2006
60. Law Seminars, Las Vegas, February 2007
61. Edison Electric Institute, Madison, WI, August 2007
62. Edison Electric Institute, national eforum, 2007
63. EUCI, Arlington VA, September 2007 [Conference chair]
64. EUCI, Arlington, VA September 2007
65. EUCI, Denver, 2008 [Conference chair]
66. EUCI, Toronto, March 2008 [Conference chair]
67. EUCI, Chicago, July 2008 [Conference chair]
68. Edison Electric Institute, Madison, WI, August 2008
69. EUCI, Cambridge, March 2009 [Conference chair]
70. Edison Electric Institute, national eforum, May 2009.

Journal Referee

Agribusiness
American Journal of Agricultural Economics
Energy Journal
Journal of Economic Dynamics and Control
Materials and Society

HAWAIIAN ELECTRIC COMPANY, INC.

TAYNE S. Y. SEKIMURA

EDUCATIONAL BACKGROUND AND EXPERIENCE

Present employer: Hawaiian Electric Company, Inc.
900 Richards Street
Honolulu, HI 96813

Current position: Senior Vice President, Finance & Administration

Previous positions: Financial Vice President
Director, Corporate and Property Accounting
Director, Internal Audit
Capital Budgets Administrator

Years of service: 18 years

Other experience: Audit Manager, KPMG
Assistant Controller, Long Distance/USA

Certification: Certified Public Accountant (not in public practice)
State of Hawaii

Education: University of Hawaii at Manoa
Bachelor of Business Administration in Accounting

Testimonies: Hawaiian Electric Company, Inc.
Docket No. 2008-0083 – Rate of Return on Rate Base

Maui Electric Company, Ltd.
Docket No. 2006-0387 – Cost of Capital

Hawaiian Electric Company, Inc.
Docket No. 2006-0386 – Cost of Capital

Hawaii Electric Light Company, Inc.
Docket No. 05-0315 – Cost of Capital

Testimonies:
(continued)

Hawaiian Electric Company, Inc.
Docket No. 04-0113 – Depreciation Expense and Accumulated Depreciation; Total Average Number of Employees; King Street Office Building Lease; Prepaid Pension Asset; Gains on Sale of Land and Iolani Court Plaza Lease Premium; Accounting for Computer Software Development Costs; Abandoned Capital Project Costs; Maintaining Financial Integrity; and Cost of Capital

Maui Electric Company, Ltd.
Docket No. 94-0345 – Rate Base

Hawaii Electric Light Company, Inc.
Docket No. 94-0140 – Rate Base

HAWAIIAN ELECTRIC COMPANY, INC.

PETER C. YOUNG

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.
P.O. Box 2750
Honolulu, Hawaii 96840

CURRENT POSITION: Director, Pricing Division, Energy Services Department

YEARS OF SERVICE: 21 Years

OTHER EXPERIENCE: Financial Analyst, Pacific Resources, Inc.
Corporate Analyst, Pentagram, Inc.

EDUCATION: MBA (Finance), University of Washington
BA (Economics, Political Science),
Claremont McKenna College, Claremont, CA

TESTIMONY: Docket No. 2008-0083 – Total Operating Revenue;
Cost of Service and Rate Design (HECO)
Docket No. 2007-0346 – Residential Bill Impact (HECO)
Docket No. 2006-0387 - Electric Sales Revenue;
Cost of Service and Rate Design (MECO)
Docket No. 2006-0386 - Electric Sales Revenue;
Cost of Service and Rate Design (HECO)
Docket No. 05-0315 - Electric Sales Revenue;
Cost of Service and Rate Design (HELCO)
Docket No. 05-0146 – Residential Rate Reduction Program;
Revenue Requirements and Customer Impact (HECO)
Docket No. 05-0145 – Revenue Requirements and Customer
Impact (HECO)
Docket No. 04-0113 - Electric Sales Revenue;
Cost of Service and Rate Design (HECO)
Docket No. 99-0207 - Electric Sales Revenue;
Cost of Service and Rate Design (HELCO)
Docket No. 97-0346 - Electric Sales Revenue;
Cost of Service and Rate Design (MECO)
Docket No. 7766 - Rate Base (HECO)
Docket No. 7764 - Rate Base (HELCO)
Docket No. 7700 - Rate Base (HECO)

HAWAIIAN ELECTRIC COMPANY, INC.

COLTON K. CHING

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.
820 Ward Avenue
Honolulu, Hawaii 96814

POSITION: Manager
Corporate Planning Department
(2008 – present)

YEARS OF SERVICE: 18

EDUCATION: University of Hawaii, Manoa
Bachelor of Science – Mechanical Engineering, 1990

REGISTRATION: Registered Professional Engineer
State of Hawaii, 1996

EXPERIENCE: Director
Strategic Initiatives
Hawaiian Electric Company, Inc.
(2006 – 2008)

Director
Transmission Planning Division
Hawaiian Electric Company, Inc.
(2005 – 2006)

Senior Planning Engineer
Power Supply Planning & Engineering Department
Hawaiian Electric Company, Inc.
(2000-2005)

Electric Engineer II
Power Supply Planning & Engineering Department
Hawaiian Electric Company, Inc.
(1996-2000)

EXPERIENCE (continued) Designer II
Power Supply Planning & Engineering Department
Hawaiian Electric Company, Inc.
(1994-1996)

Designer I
Engineering Department
Hawaiian Electric Company, Inc.
(1991-1994)

Nuclear Engineer
Pearl Harbor Naval Shipyard
U.S. Navy
(1990-1991)

TESTIMONIES: Hawaiian Electric Company, Inc.
Feed-in Tariff Docket
Docket No. 2008-0273

Hawaiian Electric Company, Inc.
Campbell Industrial Park Generation Station
and Transmission Additions Project
Docket No. 05-0145

HAWAIIAN ELECTRIC COMPANY, INC.

PATSY H. NANBU

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address:	Hawaiian Electric Company, Inc. 900 Richards Street, Honolulu, HI 96813
Position:	Controller of Hawaiian Electric Company, Inc.
Previous Positions:	Director, Regulatory Affairs Director, Internal Audit Senior Regulatory Analyst Budget Administrator Budget Analyst
Years of Service:	23 years
Education:	Bachelor of Business Administration in Accounting with Distinction, University of Hawaii, 1981 Master of Accountancy, University of Hawaii, 1983
Professional Registration:	Certified Public Accountant (not in public practice) State of Hawaii, 1984
Other Experience:	Senior Auditor, Arthur Young & Company
Testimony:	Docket No. 2008-0083 – HECO 2009 Test Year Rate Case Administrative & General Expense; Standard Labor Rates, Information Technology Services, Accounting for Computer Software Development Costs; Abandoned Capital Project Costs, Unamortized Gain on Sale of Land; Iolani Court Plaza Lease Premium; Accounting for Reverse Osmosis Water Pipeline Costs; Accounting for Pensions and Postretirement Benefits Other than Pensions; General Accounting Department Staffing Docket No. 2006-0386 – HECO 2007 Test Year Rate Case Administrative & General Expense; Budgeting Process; Accounting for Computer Software Development Costs; Abandoned Capital Project Costs; Unamortized Gain on

Testimony (continued)

Sale of Land; Iolani Court Plaza Lease Premium;
Accounting for Pensions and Postretirement Benefits Other
than Pensions; General Accounting Department Staffing

Docket No. 05-0315 – HELCO 2006 Test Year Rate Case –
Accounting Policy – Allowance for Funds Used During
Construction

Docket No. 05-0145 – Campbell Industrial Park Generation
Station Project Community Benefits Package - Accounting and
Ratemaking Treatment for Reverse Osmosis Water Pipeline
Project and Environmental Monitoring Programs

HAWAIIAN ELECTRIC COMPANY, INC.

BRUCE TAMASHIRO

EDUCATIONAL BACKGROUND AND EXPERIENCE

Present employer: Hawaiian Electric Company, Inc.
900 Richards Street
Honolulu, HI 96813

Current position: Director, Corporate and Property Accounting

Previous position: Senior Financial Analyst
July 2001 - October 2004

Years of service: 8 years

Other experience: Senior Auditor, KPMG LLP
January 1994 – July 2001

Certification: Certified Public Accountant (not in public practice)
State of Hawaii

Education: Bachelor of Business Administration in Accounting
University of Hawaii at Manoa

Testimonies: Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 2008-0083

MAUI ELECTRIC COMPANY, LTD.

LYLE J. MATSUNAGA

EDUCATIONAL BACKGROUND AND EXPERIENCE

<u>Business Address:</u>	Maui Electric Company, Limited 210 West Kamehameha Ave. Kahului, HI 96732
<u>Current Position:</u>	Manager of Accounting
<u>Years of Service:</u>	9 years
<u>Education:</u>	University of Washington Masters of Business Administration Bachelor of Arts - Economics
<u>Professional License:</u>	Certified Public Accountant (not in public practice) State of Hawaii
<u>Testimonies:</u>	Maui Electric Company, Limited Application for Approval of Rate Increase Docket No. 2006-0387

HAWAII ELECTRIC LIGHT COMPANY, INC.

JULIEANNE R. PAYNE

EDUCATIONAL BACKGROUND AND EXPERIENCE

<u>Business Address:</u>	Hawaii Electric Light Company, Inc. 1200 Kilauea Avenue. Hilo, HI 96720
<u>Current Position:</u>	Manager of Accounting
<u>Previous Positions:</u>	Administrator – Management Accounting Fiscal Administrator
<u>Years of Service:</u>	15
<u>Other Experience:</u>	Accounting Manager, C. Brewer
<u>Education:</u>	Bachelor of Business Administration in Accounting University of Hawaii at Hilo

HAWAIIAN ELECTRIC COMPANY, INC.

DENNIS C. J. LEE

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address:	Hawaiian Electric Company, Inc. 900 Richards Street, Honolulu, HI 96813
Position:	Director, Financial Analysis
Previous Positions:	Director, Budgets Management Accounting Technical Coordinator Budgets Administrator
Years of Service:	17
Education:	Bachelor of Business Administration University of Hawaii at Manoa, 1977 Masters in Business Administration, University of Hawaii at Manoa, 1985
Professional Registration:	Certified Public Accountant (not in public practice) State of Hawaii, 1978
Other Experience:	Director of Financial Planning, Kapiolani Medical Center Manager – Accounting Systems, Gentry Homes, Ltd. General Accounting Manager, GTE Hawaiian Telephone Financial Accounting Manager, GTE Hawaiian Telephone General Accounting Supervisor, GTE Hawaiian Telephone Methods & Special Studies Accountant, GTE Hawaiian Telephone General Accountant, GTE Hawaiian Telephone Financial Associate, GTE Service Corporation
Testimony:	Docket No. 7766 – HECO Application for Approval of Rate Increase Miscellaneous Administrative & General Expense; Administrative and Employee Benefits Expenses Transfer Amounts; Wage Rollback; Forecast Methodology and Overheads; Total Average Number of Employees; Computer Subsidy Program; and Strategic Plan Adjustment

Hawaiian Electric Company, Inc.

Ross H. Sakuda, P.E.

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address:	Hawaiian Electric Company, Inc. 820 Ward Avenue P. O. Box 2750 Honolulu, HI 96840
Current Position:	Director, Generation Planning System Integration Department
Previous Positions:	Project Manager Senior Planning Engineer Senior Mechanical Engineer Mechanical Engineer Mechanical Designer
Years of Service:	29
Education:	Bachelor of Science in Mechanical Engineering University of Hawaii, 1978
Other Qualifications:	Registered Professional Engineer Hawaii Mechanical Branch – 1983
Other Experience:	Mechanical Designer, Nakashima Associates
Other Curriculum:	Corporate Training Course Zenger-Miller Supervision Course Utility Finance and Accounting Course
Testimonies:	Hawaiian Electric Company, Inc. Request for Approval of Rate Increase Docket No. 2008-0083 Maui Electric Company, Limited Request for Approval of Rate Increase Docket No. 2006-0387

Testimonies:
(continued)

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 2006-0386

Hawaiian Electric Company, Inc.
Campbell Industrial Park Generation Station
and Transmission Additions Project
Docket No. 05-0145

HECO/HELCO/MECO
PUC Proceeding to Investigate Competitive Bidding
for New Generation in Hawaii
Docket No. 03-0372

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 04-0113

HECO/HELCO/MECO
PUC Proceeding to Investigate Distributed Generation
Docket No. 03-0371

Hawaii Electric Light Company, Inc.
Apollo Energy Corporation Petition
Docket No. 00-0135

Hawaii Electric Light Company, Inc.
Request for Approval of Rate Increase
Docket No. 99-0207

Hawaiian Electric Company, Inc.
Waiau Water Agreements
Docket No. 7277

HAWAIIAN ELECTRIC COMPANY, INC.

ROBERT K. S. YOUNG

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.
820 Ward Avenue, Honolulu, HI 96814

POSITION: Manager, System Operation Department.
Hawaiian Electric Company, Inc.
(April 2005 to present)

YEARS OF SERVICE: 31 Years

EDUCATION: University of Hawaii

DEGREES: Bachelor of Science, Electrical Engineering
Masters, Business Administration

PREVIOUS POSITIONS: Manager, New Dispatch Center Project
Hawaiian Electric Company, Inc.
(December 2002 to March 2005)

Manager, System Operation Department
Hawaiian Electric Company, Inc.
(February 1999 to November 2002)

Senior Engineer, System Operation Department
Hawaiian Electric Company, Inc.
(October 1991 to January 1999)

Electrical Engineer, System Operation Department
Hawaiian Electric Company, Inc.
(November 1988 to September 1991)

Electrical Engineer, System Planning
Hawaiian Electric Company, Inc.
(May 1978 to October 1988)

OTHER QUALIFICATIONS: Licensed Professional Engineer, Electrical
State of Hawaii 1983

TESTIMONIES:

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 2008-0083

Hawaiian Electric Company, Inc
Request for Approval of Rate Increase
Docket No. 2006-0386

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 7766

HAWAIIAN ELECTRIC COMPANY, INC.

DARREN S. YAMAMOTO

EDUCATIONAL BACKGROUND AND EXPERIENCE

BUSINESS ADDRESS: Hawaiian Electric Company, Inc.
900 Richards Street, Honolulu, HI 96813

POSITION: Manager, Customer Service Department
Hawaiian Electric Company, Inc.
(December 2004 to present)

YEARS OF SERVICE: 24 Years

EDUCATION: University of Hawaii (1983), Bachelor of Business
Administration, Finance

PREVIOUS POSITIONS: Director, Customer Field Services,
Customer Service Department
Hawaiian Electric Company, Inc.
(September 2002 to December 2004)

Supervisor, Construction & Maintenance Department
Hawaiian Electric Company, Inc.
(November 1999 to September 2002)

Working Foreman,
Construction & Maintenance Department
Hawaiian Electric Company, Inc.
(October 1995 to November 1999)

Transmission & Distribution Line Inspector,
Construction & Maintenance Department
Hawaiian Electric Company, Inc.
(May 1994 to September 1995)

Linemen, Construction & Maintenance Department
Hawaiian Electric Company, Inc.
(August 1984 to May 1994)

TESTIMONIES: Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 2008-0083

TESTIMONIES (continued):

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 2006-0386

Hawaiian Electric Company, Inc.
Request for Approval of Rate Increase
Docket No. 04-0113

HAWAIIAN ELECTRIC COMPANY, INC.

DAVID G. WALLER

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address:	Hawaiian Electric Company, Inc. 220 South King Street Honolulu, HI 96813
Position:	Vice President, Customer Service
Years of Service:	20 years
Education:	Masters in Business Administration University of Hawaii at Manoa, 1989 B.S. Chemical Engineering Rose Hulman Institute of Technology, 1970
Previous Positions:	2004-2009 Vice President, Customer Solutions Hawaiian Electric Company, Inc. 1998-2004 Manager, Energy Services Department Hawaiian Electric Company, Inc. 1992-1998 Director, Customer Technology Applications Division Hawaiian Electric Company, Inc. 1989-1992 Director, Fuel Resources Hawaiian Electric Company, Inc.
Other Qualifications:	Other managerial and technical positions with Pacific Resources, Petro-Canada Exploration Pembina Pipeline, and Amoco Oil Company Registered Professional Engineer, Montana Registered Professional Engineer, Alberta, Canada
Testimonies:	Hawaiian Electric Company, Inc. Biodiesel Supply Contract with Imperium Services, LLC. Docket No. 2007-0346

HAWAIIAN ELECTRIC COMPANY, INC.

ROBERT A. ALM

EDUCATIONAL BACKGROUND AND EXPERIENCE

Business Address:	Hawaiian Electric Company, Inc. (HECO) 900 Richards Street Honolulu, HI 96813	
Position:	Executive Vice President	
Years of Service:	8	
Education:	University of Hawaii at Manoa BA with Distinction in Political Science (1973) University of Iowa, College of Law Juris Doctor with Distinction (1975)	
Previous Positions:	1995-2001	First Hawaiian Bank Executive Vice President & Manager Financial Management Group
	1993-1994	First Hawaiian Bank Vice President & Trust Officer Trust and Investments Division
	1987-1993	State of Hawaii, Department of Commerce and Consumer Affairs Director
	1984-1986	State of Hawaii, Department of Commerce and Consumer Affairs Deputy Director
	1982-1984	State of Hawaii, Department of Commerce and Consumer Affairs Senior Hearings Officer

Previous Positions: (continued)	1980-1982	Office of Senator Daniel K. Inouye in Washington, D.C. Deputy Administrative Assistant
	1979-1980	Office of Senator Daniel K. Inouye in Washington, D.C. Legislative Assistant
	1977-1979	University of Hawaii at Manoa Legal Research Associate Pacific Urban Studies & Planning Program
	1977	State Senator Stanley Hara Administrative Assistant
	1976-1979	Private Practice

Professional Qualifications:

Court Admissions:	Supreme Court of Hawaii (1976) United States District Court of the District of Hawaii (1976) United States Supreme Court (1981)
Memberships:	American Bar Association Hawaii State Bar Association

Honors:

Freedom of Information Award, Society of Professional Journalists (1989)

Hawaii Public Administration Award, American Society for Public Administration,
Hawaii Chapter (1992)

Honorary Ali'i, Royal Order of Kamehameha I (1993)

Outstanding Volunteer Fund Raiser Award 2000, National Society of Fund Raising
Executives (NSFRE) (2000)

Volunteer of the Year Award 2000, Alexis de Tocqueville Society of Honolulu (2000)

Community Service:

Helping Hands Hawaii – Board of Directors, Past Chair

Hawaii Public Television Foundation – Board of Directors, Chair

Bishop Museum, Board of Directors

Friends of Iolani Palace, Board of Directors

Hawaii Institute for Public Affairs (HIPA) – Board of Directors

Sutter Health Pacific – Board of Directors

Hawaii Nature Center – Board of Directors

Disciplinary Board of the Hawaii Supreme Court – Hearing Committee Member

Judicial Performance Committee – Member

Corporate Board:

Island Insurance, Board of Directors